



PCT1

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,816

DATE: 08/14/2002

TIME: 09:38:12

Input Set : A:\EP.txt

Output Set: N:\CRF3\08142002\J019816.raw

3 <110> APPLICANT: AGREZ, MICHAEL V
4 AHMED, NUZHAT
6 <120> TITLE OF INVENTION: A METHOD OF MODULATING INTEGRIN MEDIATED CELLULAR ACTIVITY
AND AGENTS
7 USEFUL FOR SAME
9 <130> FILE REFERENCE: SW-046 XX
11 <140> CURRENT APPLICATION NUMBER: US 10/019,816
12 <141> CURRENT FILING DATE: 2000-06-28
14 <150> PRIOR APPLICATION NUMBER: PQ 1248
15 <151> PRIOR FILING DATE: 1999-06-28
17 <150> PRIOR APPLICATION NUMBER: PQ 8003
18 <151> PRIOR FILING DATE: 2000-06-06
20 <160> NUMBER OF SEQ ID NOS: 23
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 788
26 <212> TYPE: PRT
27 <213> ORGANISM: HOMO SAPIENS
29 <400> SEQUENCE: 1
31 Met Gly Ile Glu Leu Leu Cys Leu Phe Phe Leu Phe Leu Gly Arg Asn
32 1 5 10 15
35 Asp Ser Arg Thr Arg Trp Leu Cys Leu Gly Gly Ala Glu Thr Cys Glu
36 20 25 30
39 Asp Cys Leu Leu Ile Gly Pro Gln Cys Ala Trp Cys Ala Gln Glu Asn
40 35 40 45
43 Phe Thr His Pro Ser Gly Val Gly Glu Arg Cys Asp Thr Pro Ala Asn
44 50 55 60
47 Leu Leu Ala Lys Gly Cys Gln Leu Asn Phe Ile Glu Asn Pro Val Ser
48 65 70 75 80
51 Gln Val Glu Ile Leu Lys Asn Lys Pro Leu Ser Val Gly Arg Gln Lys
52 85 90 95
55 Asn Ser Ser Asp Ile Val Gln Ile Ala Pro Gln Ser Leu Ile Leu Lys
56 100 105 110
59 Leu Arg Pro Gly Gly Ala Gln Thr Leu Gln Val His Val Arg Gln Thr
60 115 120 125
63 Glu Asp Tyr Pro Val Asp Leu Tyr Tyr Leu Met Asp Leu Ser Ala Ser
64 130 135 140
67 Met Asp Asp Asp Leu Asn Thr Ile Lys Glu Leu Gly Ser Gly Leu Ser
68 145 150 155 160
71 Lys Glu Met Ser Lys Leu Thr Ser Asn Phe Arg Leu Gly Phe Gly Ser
72 165 170 175
75 Phe Val Glu Lys Pro Val Ser Pro Phe Val Lys Thr Thr Pro Glu Glu
76 180 185 190
79 Ile Ala Asn Pro Cys Ser Ser Ile Pro Tyr Phe Cys Leu Pro Thr Phe

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80          195          200          205
83 Gly Phe Lys His Ile Leu Pro Leu Thr Asn Asp Ala Glu Arg Phe Asn
84          210          215          220
87 Glu Ile Val Lys Asn Gln Lys Ile Ser Ala Asn Ile Asp Thr Pro Glu
88 225          230          235          240
91 Gly Gly Phe Asp Ala Ile Met Gln Ala Ala Val Cys Lys Glu Lys Ile
92          245          250          255
95 Gly Trp Arg Asn Asp Ser Leu His Leu Leu Val Phe Val Ser Asp Ala
96          260          265          270
99 Asp Ser His Phe Gly Met Asp Ser Lys Leu Ala Gly Ile Val Ile Pro
100          275          280          285
103 Asn Asp Gly Leu Cys His Leu Asp Ser Lys Asn Glu Tyr Ser Met Ser
104          290          295          300
107 Thr Val Leu Glu Tyr Pro Thr Ile Gly Gln Leu Ile Asp Lys Leu Val
108 305          310          315          320
111 Gln Asn Asn Val Leu Ile Phe Ala Val Thr Gln Glu Gln Val His
112          325          330          335
115 Leu Tyr Glu Asn Tyr Ala Lys Leu Ile Pro Gly Ala Thr Val Gly Leu
116          340          345          350
119 Leu Gln Lys Asp Ser Gly Asn Ile Leu Gln Leu Ile Ile Ser Ala Tyr
120          355          360          365
123 Glu Glu Leu Arg Ser Glu Val Glu Leu Glu Val Leu Gly Asp Thr Glu
124          370          375          380
127 Gly Leu Asn Leu Ser Phe Thr Ala Ile Cys Asn Asn Gly Thr Leu Phe
128 385          390          395          400
131 Gln His Gln Lys Lys Cys Ser His Met Lys Val Gly Asp Thr Ala Ser
132          405          410          415
135 Phe Ser Val Thr Val Asn Ile Pro His Cys Glu Arg Arg Ser Arg His
136          420          425          430
139 Ile Ile Ile Lys Pro Val Gly Leu Gly Asp Ala Leu Glu Leu Leu Val
140          435          440          445
143 Ser Pro Glu Cys Asn Cys Asp Cys Gln Lys Glu Val Glu Val Asn Ser
144          450          455          460
147 Ser Lys Cys His His Gly Asn Gly Ser Phe Gln Cys Gly Val Cys Ala
148 465          470          475          480
151 Cys His Pro Gly His Met Gly Pro Arg Cys Glu Cys Gly Glu Asp Met
152          485          490          495
155 Leu Ser Thr Asp Ser Cys Lys Glu Ala Pro Asp His Pro Ser Cys Ser
156          500          505          510
159 Gly Arg Gly Asp Cys Tyr Cys Gly Gln Cys Ile Cys His Leu Ser Pro
160          515          520          525
163 Tyr Gly Asn Ile Tyr Gly Pro Tyr Cys Gln Cys Asp Asn Phe Ser Cys
164          530          535          540
167 Val Arg His Lys Gly Leu Leu Cys Gly Gly Asn Gly Asp Cys Asp Cys
168 545          550          555          560
171 Gly Glu Cys Val Cys Arg Ser Gly Trp Thr Gly Glu Tyr Cys Asn Cys
172          565          570          575
175 Thr Thr Ser Thr Asp Ser Cys Val Ser Glu Asp Gly Val Leu Cys Ser
176          580          585          590

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179 Gly Arg Gly Asp Cys Val Cys Gly Lys Cys Val Cys Thr Asn Pro Gly
180      595      600      605
183 Ala Ser Gly Pro Thr Cys Glu Arg Cys Pro Thr Cys Gly Asp Pro Cys
184      610      615      620
187 Asn Ser Lys Arg Ser Cys Ile Glu Cys His Leu Ser Ala Ala Gly Gln
188 625      630      635      640
191 Ala Gly Glu Glu Cys Val Asp Lys Cys Lys Leu Ala Gly Ala Thr Ile
192      645      650      655
195 Ser Glu Glu Glu Asp Phe Ser Lys Asp Gly Ser Val Ser Cys Ser Leu
196      660      665      670
199 Gln Gly Glu Asn Glu Cys Leu Ile Thr Phe Leu Ile Thr Thr Asp Asn
200      675      680      685
203 Glu Gly Lys Thr Ile Ile His Ser Ile Asn Glu Lys Asp Cys Pro Lys
204      690      695      700
207 Pro Pro Asn Ile Pro Met Ile Met Leu Gly Val Ser Leu Ala Thr Leu
208 705      710      715      720
211 Leu Ile Gly Val Val Leu Leu Cys Ile Trp Lys Leu Leu Val Ser Phe
212      725      730      735
215 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
216      740      745      750
219 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
220      755      760      765
223 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
224      770      775      780
227 Ser Thr Asp Cys
228 785

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231 <210> SEQ ID NO: 2

232 <211> LENGTH: 15

233 <212> TYPE: PRT

234 <213> ORGANISM: HOMO SAPIENS

236 <400> SEQUENCE: 2

238 Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg

239 1 5 10 15

242 <210> SEQ ID NO: 3

243 <211> LENGTH: 10

244 <212> TYPE: PRT

245 <213> ORGANISM: HOMO SAPIENS

247 <400> SEQUENCE: 3

249 Arg Ser Lys Ala Lys Asn Pro Leu Tyr Arg

250 1 5 10

253 <210> SEQ ID NO: 4

254 <211> LENGTH: 5

255 <212> TYPE: PRT

256 <213> ORGANISM: HOMO SAPIENS

258 <400> SEQUENCE: 4

260 Arg Ser Lys Ala Lys

261 1 5

264 <210> SEQ ID NO: 5

265 <211> LENGTH: 5

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266 <212> TYPE: PRT
267 <213> ORGANISM: HOMO SAPIENS
269 <400> SEQUENCE: 5
271 Asn Pro Leu Tyr Arg
272 1 5
275 <210> SEQ ID NO: 6
276 <211> LENGTH: 41
277 <212> TYPE: PRT
278 <213> ORGANISM: HOMO SAPIENS
280 <400> SEQUENCE: 6
282 His Asp Arg Arg Glu Phe Ala Lys Phe Glu Lys Glu Lys Met Asn Ala
283 1 5 10 15
286 Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr Lys Ser Ala Val Thr Thr
287 20 25 30
290 Val Val Asn Pro Lys Tyr Glu Gly Lys
291 35 40
294 <210> SEQ ID NO: 7
295 <211> LENGTH: 40
296 <212> TYPE: PRT
297 <213> ORGANISM: HOMO SAPIENS
299 <400> SEQUENCE: 7
301 Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu Lys Glu Lys Leu Lys Ser
302 1 5 10 15
305 Gln Trp Asn Asn Asp Asn Pro Leu Phe Lys Ser Ala Thr Thr Thr Val
306 20 25 30
309 Met Asn Pro Lys Phe Ala Glu Ser
310 35 40
313 <210> SEQ ID NO: 8
314 <211> LENGTH: 41
315 <212> TYPE: PRT
316 <213> ORGANISM: HOMO SAPIENS
318 <400> SEQUENCE: 8
320 His Asp Arg Lys Glu Phe Ala Lys Phe Glu Glu Glu Arg Ala Arg Ala
321 1 5 10 15
324 Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr
325 20 25 30
328 Phe Thr Asn Ile Thr Tyr Arg Gly Thr
329 35 40
332 <210> SEQ ID NO: 9
333 <211> LENGTH: 52
334 <212> TYPE: PRT
335 <213> ORGANISM: HOMO SAPIENS
337 <400> SEQUENCE: 9
339 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
340 1 5 10 15
343 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
344 20 25 30
347 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
348 35 40 45

```

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351 Ser Thr Asp Ser
352      50
355 <210> SEQ ID NO: 10
356 <211> LENGTH: 52
357 <212> TYPE: PRT
358 <213> ORGANISM: HOMO SAPIENS
360 <400> SEQUENCE: 10
362 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
363 1      5      10      15
366 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
367      20      25      30
370 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
371      35      40      45
374 Ser Thr Asp Cys
375      50
378 <210> SEQ ID NO: 11
379 <211> LENGTH: 22
380 <212> TYPE: PRT
381 <213> ORGANISM: HOMO SAPIENS
383 <400> SEQUENCE: 11
385 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
386 1      5      10      15
389 Lys Trp Gln Thr Gly Thr
390      20
393 <210> SEQ ID NO: 12
394 <211> LENGTH: 20
395 <212> TYPE: PRT
396 <213> ORGANISM: HOMO SAPIENS
398 <400> SEQUENCE: 12
400 Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly
401 1      5      10      15
404 Ser Thr Ser Thr
405      20
408 <210> SEQ ID NO: 13
409 <211> LENGTH: 20
410 <212> TYPE: PRT
411 <213> ORGANISM: HOMO SAPIENS
413 <400> SEQUENCE: 13
415 Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys Asn Val Thr Tyr
416 1      5      10      15
419 Lys His Arg Glu
420      20
423 <210> SEQ ID NO: 14
424 <211> LENGTH: 20
425 <212> TYPE: PRT
426 <213> ORGANISM: HOMO SAPIENS
428 <400> SEQUENCE: 14
430 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
431 1      5      10      15

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VERIFICATION SUMMARY

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